

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) Method for producing logs of wound web material, comprising ~~the phases of:~~

- winding a quantity of web material ~~(N)~~ around a first winding core ~~(A1)~~ to form a first log ~~(L1)~~ in a winding area;
- upon termination of winding the first log, bringing a second winding core ~~(A2)~~, ~~provided~~, with glue ~~(C, C_e, C_f)~~ on ~~its~~ a surface thereof, into contact with said web material;
- severing the web material to produce a tail end ~~(Lf)~~ of the first log and a leading end ~~(Li)~~ to form a second log around said second winding core;
- transferring a ~~part~~ portion of the glue from the second winding core to a portion of the web material ~~destined~~ to be wound on the first log, in proximity to the ~~free~~ tail end, which is glued to the first log, and unloading said log from the winding area, ~~characterized in that~~ wherein said portion of the glue is transferred by the second winding core to the web material before severing of the web material.

2. (Currently Amended) Method as claimed in claim 1, ~~characterized by:~~ further comprising

- feeding the web material around a first winding element ~~(1)~~;

- positioning a rolling surface ~~(15)~~ at a distance from said first winding element to define with ~~it~~ the first winding element a channel ~~(19)~~ for introducing ~~the~~ winding cores;
- introducing said second winding core ~~(A1-A4)~~ in said channel and making ~~it~~ the second winding core roll, in contact with said rolling surface and with said web material fed around the first winding element;
- after said second winding core has transferred said portion ~~part~~ of the glue to the web material, severing the web material between said second winding core ~~(A2)~~ and said first log ~~(L1)~~;
- continuing to make said second winding core roll along said channel starting winding of the second log ~~(L2)~~ around ~~it~~ the second winding core.

3. (Currently Amended) Method as claimed in claim 1 or 2, ~~characterized in that~~ wherein said severing of the web material is ~~severed~~ by tensioning said web material[[,]] downstream of the second winding core, to exceed ~~the limit~~ of tensile strength of said web material.

4. (Currently Amended) Method as claimed in claim ~~1, 2 or 3~~, ~~characterized in that~~ 2, wherein said glue ~~(C, C_e, C_f)~~ is applied to said winding cores ~~(A1, A2, A3, A4)~~ according to as at least one longitudinal bands band.

5. (Currently Amended) Method as claimed in claim 4, ~~characterized in that~~ wherein a single longitudinal band of said glue (C) is applied to each core.

6. (Currently Amended) Method as claimed in ~~claims 2 and 5,~~ characterized in that claim 5, further comprising inserting the second winding core (A2) ~~is inserted~~ into said channel (19) with the longitudinal band of said glue (C) facing approximately opposite in respect ~~of the contact to~~ an area of contact of said core with the web material.

7. (Currently Amended) Method as claimed in claim 4, ~~characterized in that~~ wherein two longitudinal bands of said glue (C_e, C_f) are applied to each core, to glue the ~~free~~ tail end of the first ~~completed~~ log and to secure the ~~free~~ leading end to the second winding core.

8. (Currently Amended) Method as claimed in claim 7, ~~characterized in that~~ wherein said two bands are composed of glues with different characteristics.

9. (Currently Amended) Method as claimed in ~~at least claim 3,~~ characterized in that claim 3, wherein said tensioning of said web material ~~is tensioned~~ occurs after the second core has been introduced into said channel.

10. (Currently Amended) Method as claimed in ~~claims 3 and 6,~~ characterized in that claim 3, further comprising rotating said core ~~is made to rotate~~ along said channel to

complete approximately a full turn before said severing of said web material.

11. (Currently Amended) Method as claimed in ~~at least one or more of the claims from 4 to 8~~, characterized in that claim 4, wherein said at least one longitudinal ~~bands~~ band of glue ~~are~~ is discontinuous.

12. (Currently Amended) Method as claimed in ~~at least claim 2~~, ~~characterized in that~~ wherein said first winding element is a winding roller.

13. (Currently Amended) Method as claimed in claim 12, ~~characterized in that~~ wherein at least a part of winding takes place in a winding cradle ~~(11)~~ defined by said first winding roller and by a second winding roller and a third winding roller ~~(3, 5)~~.

14. (Currently Amended) Method as claimed in claim 13, ~~characterized in that~~ wherein said severing of the web material is ~~severed~~ by accelerating said third winding roller ~~(5)~~.

15. (Currently Amended) A peripheral rewinding machine to produce logs ~~(L1, L2)~~ of web material ~~(N)~~ wound around tubular cores, comprising:

- a winding cradle ~~(11)~~ with at least a first winding element ~~(1)~~ around which said web material ~~(N)~~ is fed;

- a feeding means ~~(23)~~ to introduce said ~~winding~~ tubular cores ~~(A1-A4)~~ towards said winding cradle ~~(11)~~;
- means to sever the web material upon termination of winding each log ~~(L1, L2)~~;
- a glue dispenser ~~(29)~~ to apply a glue ~~(C)~~ to said cores, before introducing ~~them~~ the cores into said winding cradle; wherein said feeding means and said means to sever the web material are synchronized so that a winding core is brought into contact with the web material fed around said first web element before the web material is severed, and ~~characterized in that~~ wherein introduction of the winding core and operation of the means to sever the web material are coordinated so that the web material is severed in an area upstream, in respect ~~of the~~ to a direction of feed of the web material, of an area in which said winding core ~~transferred part~~ transfers a portion of the glue applied to ~~it~~ the winding core to the web material.

16. (Currently Amended) Rewinding machine as claimed in claim 15, ~~characterized by~~ further comprising a rolling surface ~~(15)~~ defining with said first winding element ~~(1)~~ a channel ~~(19)~~ to introduce said winding cores ~~(A1-A4)~~; and wherein said winding cores are introduced into said channel and made to rotate inside ~~it~~ the channel before severing of the web material.

17. (Currently Amended) Rewinding machine as claimed in claim ~~15 or 16~~, characterized in that 15, wherein said means to sever the web material comprise at least a winding roller ~~(5)~~ associated with acceleration means, which cause acceleration of said winding roller to tension and sever the web material between ~~the~~ a completed log ~~(L1)~~ and a new winding core ~~(A2)~~.

18. (Currently Amended) Rewinding machine as claimed in ~~one or more of the claims from 15 to 17~~, characterized in that claim 15, wherein said glue dispenser ~~applies~~ is constructed and arranged to apply said glue along at least one longitudinal ~~bands~~ band on each of said cores.

19. (Currently Amended) Rewinding machine as claimed in claim 18, ~~characterized in that~~ wherein said glue dispenser ~~applies~~ is constructed and arranged to apply said glue along a single longitudinal band on each core.

20. (Currently Amended) Rewinding machine as claimed in ~~claims 16 and 19~~, characterized in that claim 19, wherein said glue dispenser, said feeding means and said channel are ~~disposed~~ constructed and arranged so that the cores are introduced into the channel with the longitudinal band of glue facing approximately in ~~the opposite~~ a direction opposite to the contact an area of contact between the

tubular ~~winding~~ core and the web material fed around said first winding element.

21. (Currently Amended) Rewinding machine as claimed in ~~one or more of the claims from 15 to 18, characterized in that~~ claim 15, wherein said glue dispenser ~~applies, is~~ constructed and arranged to apply on each core, at least two separate longitudinal bands of glue.

22. (Currently Amended) Rewinding machine as claimed in claim 21, ~~characterized in that~~ wherein said glue dispenser ~~dispenses~~ is constructed and arranged to dispense glues of different types along said two longitudinal bands.